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(54) FREE EDGE CONE FOR SPEAKER

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(57) Abstract:

PURPOSE: To improve sound quality and to strengthen rigidity and durability by forming a free edge cone for a speaker with a diaphragm for speaker and an edge adhered to at least the outer circumference of the diaphragm and making the edge of a base material and a foaming layer coating one side or both sides of the base material.

CONSTITUTION: The free edge cone 1 for a speaker consists of an edge 10 and a diaphragm 20 for speaker. The edge 10 is formed to be a down-roll edge and the diaphragm 20 for speaker is shaped to be a curved cone. The edge 10 is made up of a base material 12 and a foaming layer 14 coating both sides of the base material 12. The outer periphery 16 of the edge 10 is fixed to a frame of the speaker. A foaming layer coat liquid comprising a foaming agent, a water soluble acrylic emulsion, a silicon resin mold releasing agent, a silicon resin water repellent agent, a thickener and a pigment is applied to both sides of the base material and dried.

